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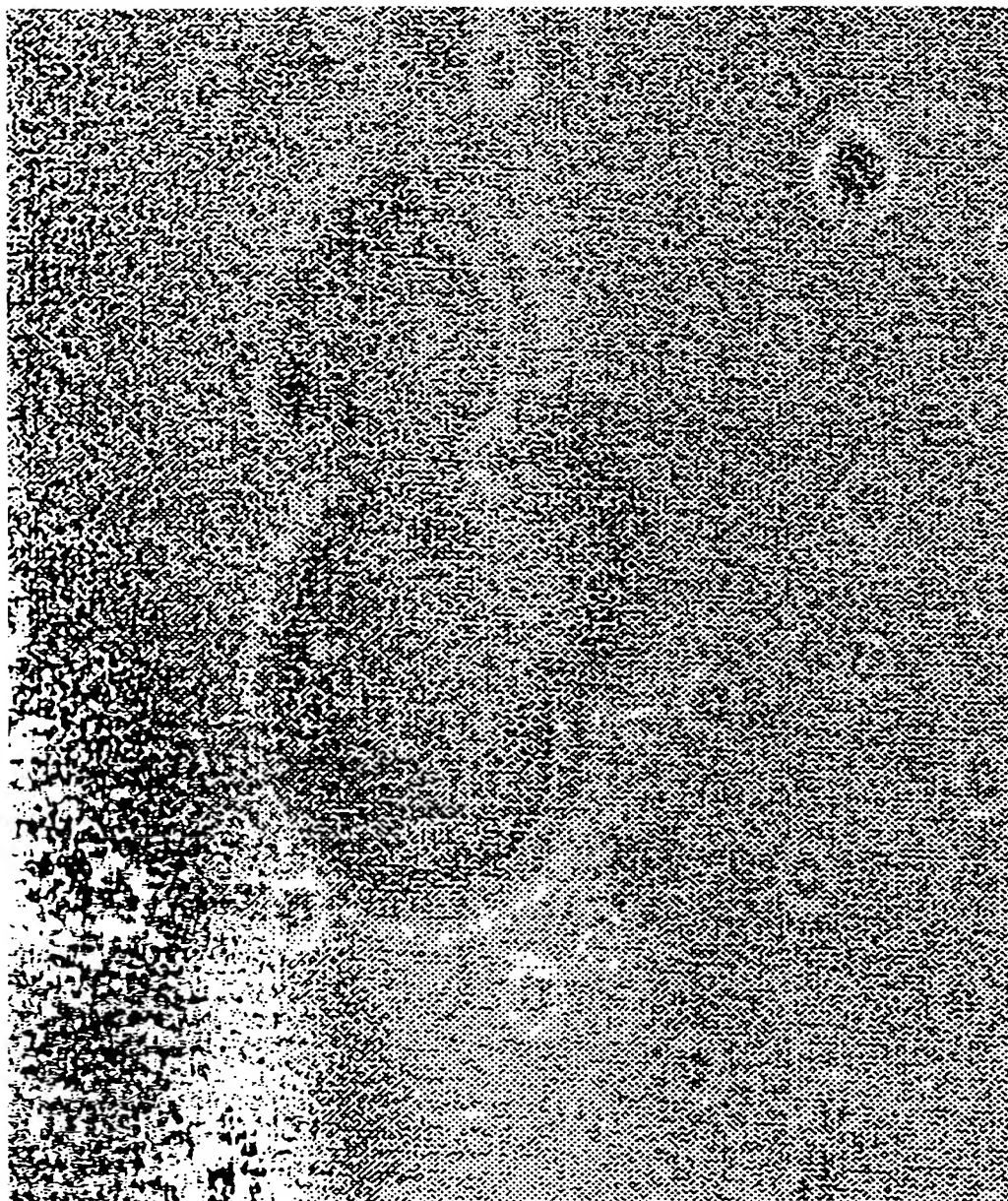
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Applicants: Peter Brink, et al.
U.S. Serial No: 10/757,827
Filing Date: January 15, 2004
Title of the Invention: MESENCHYMAL STEM
CELLS AS A VEHICLE FOR ION CHANNEL
TRANSFER Sheet 1 of 20

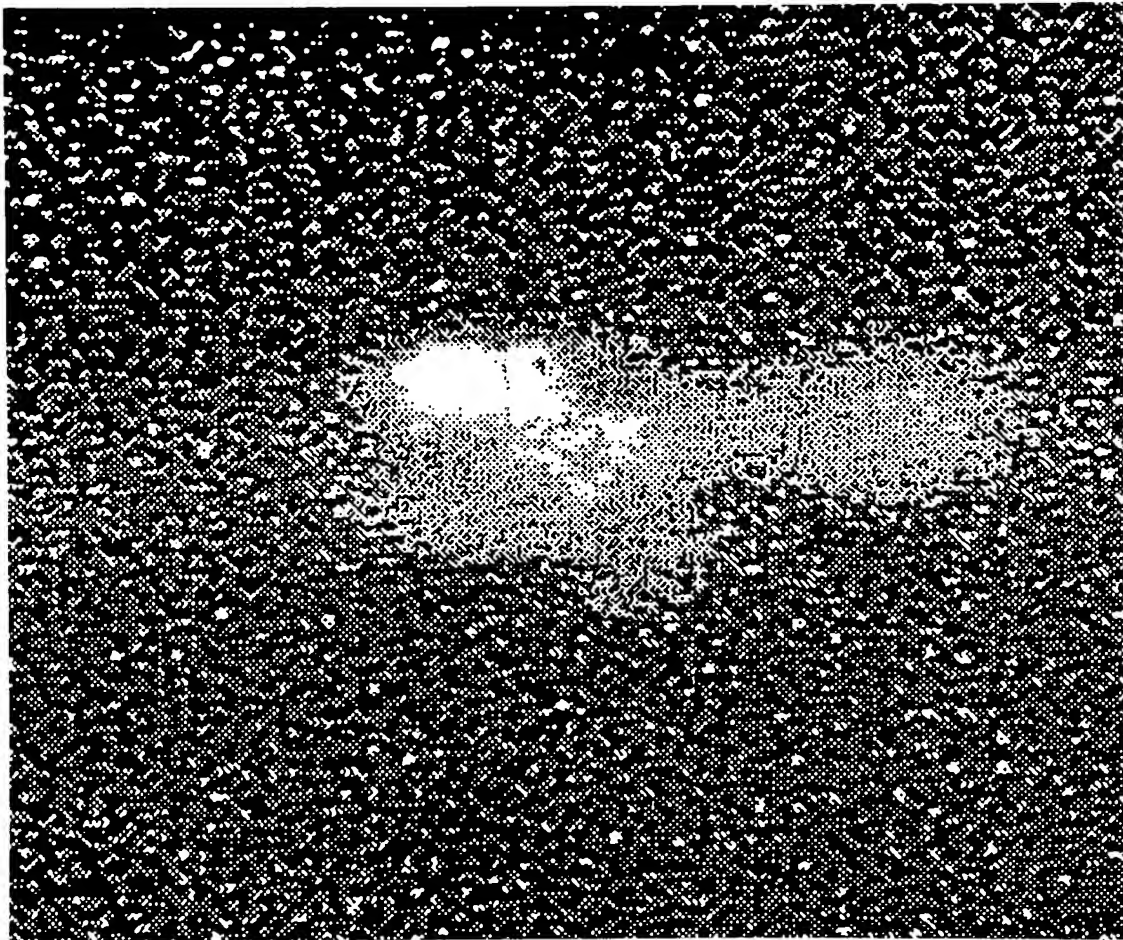
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FIGURE 1A



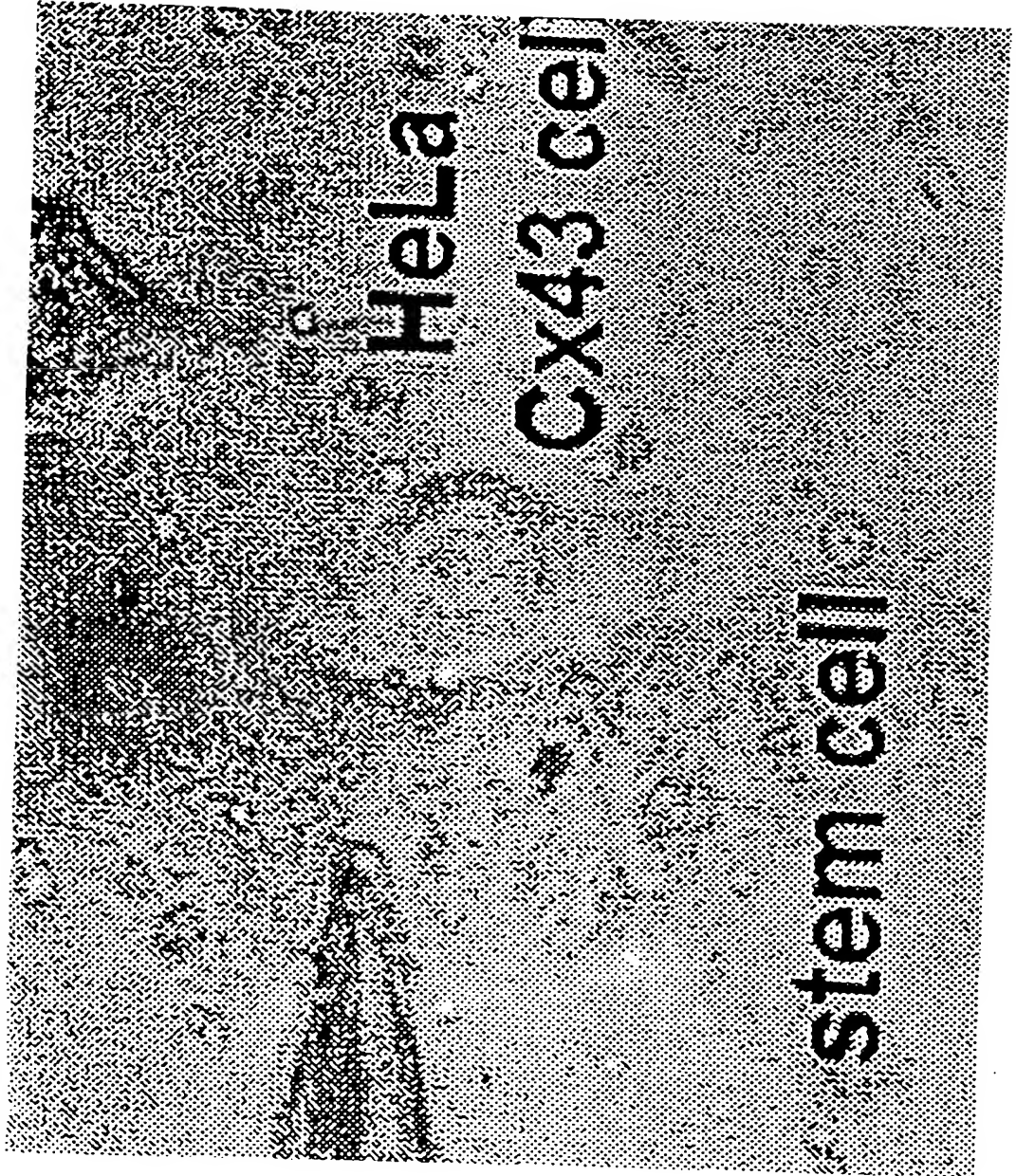
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FIGURE 1B



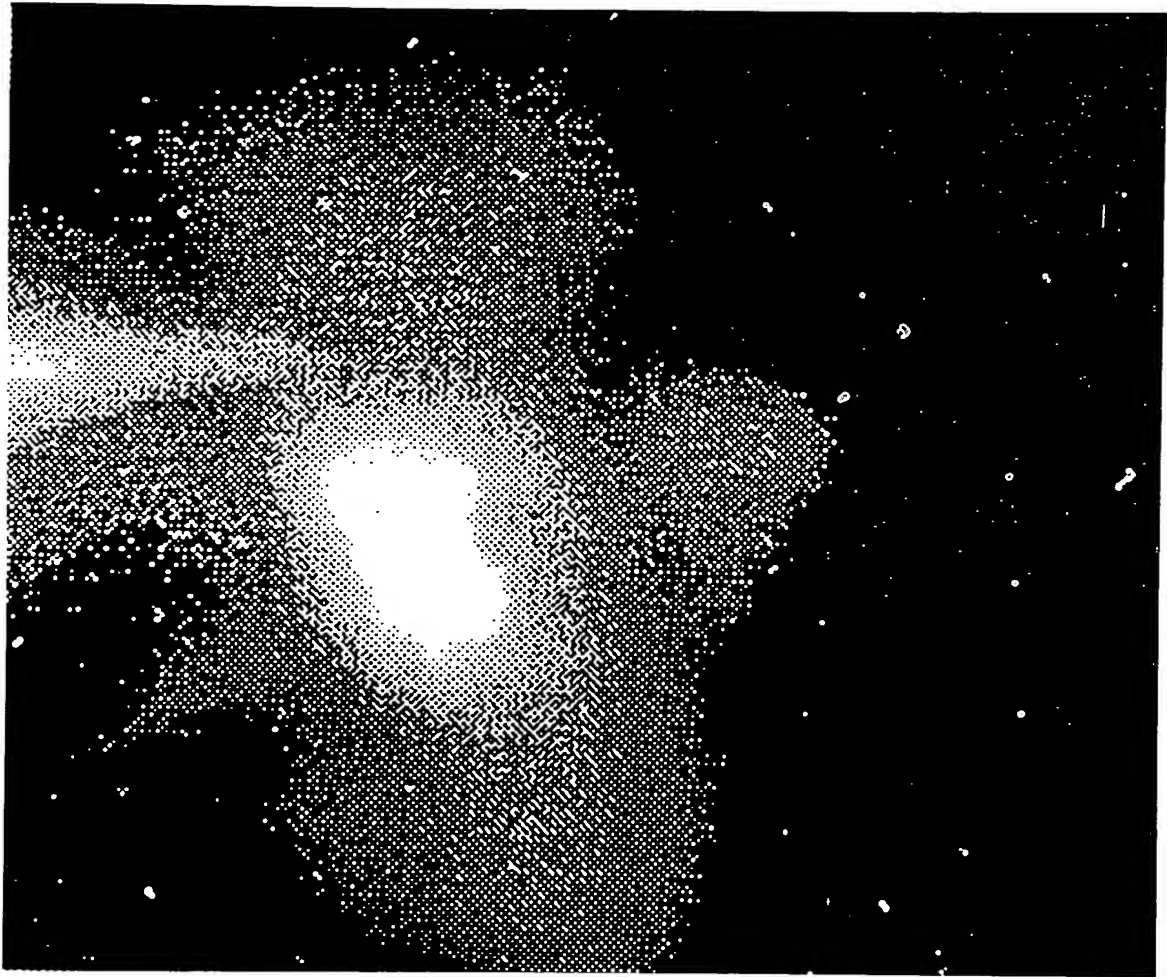
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FIGURE 2A

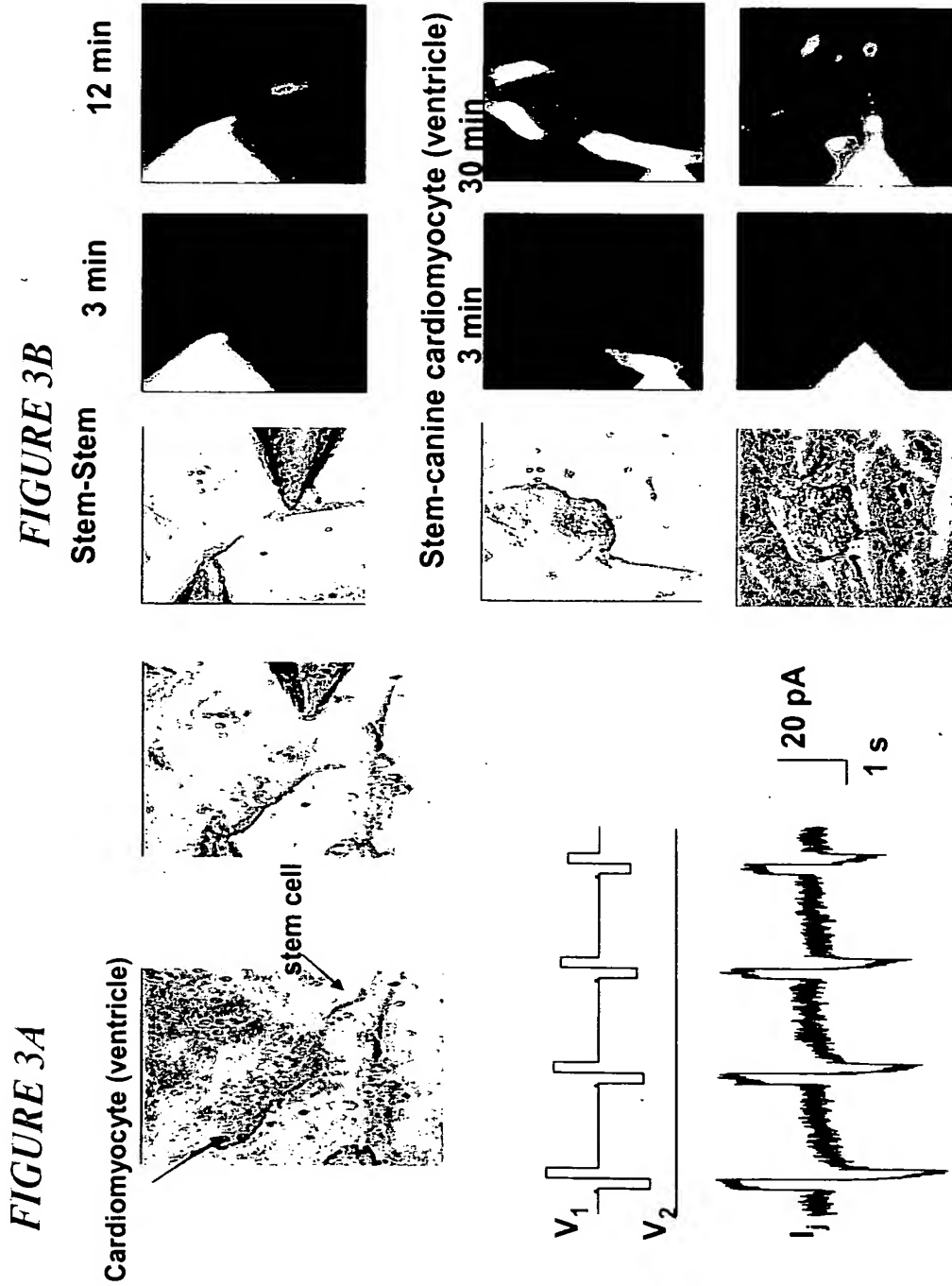


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FIGURE 2B



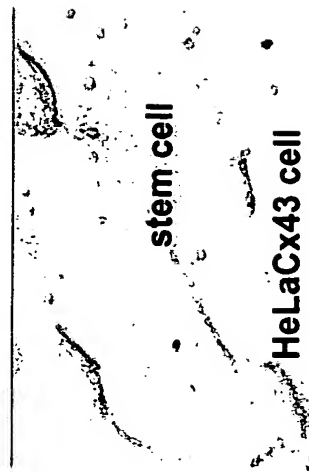
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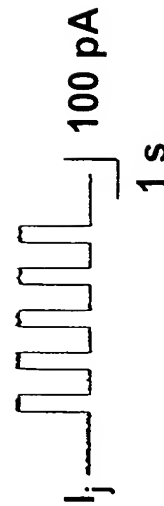
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FIGURE 4A

Stem- HeLaCx43



$g_j = 16 \text{ nS}$



1 min



12 min



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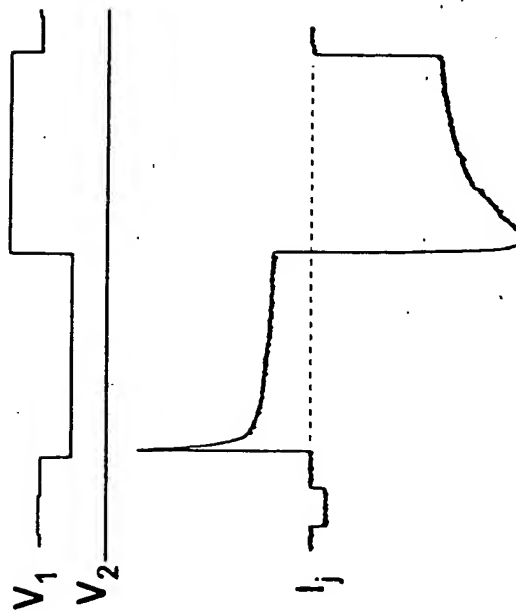
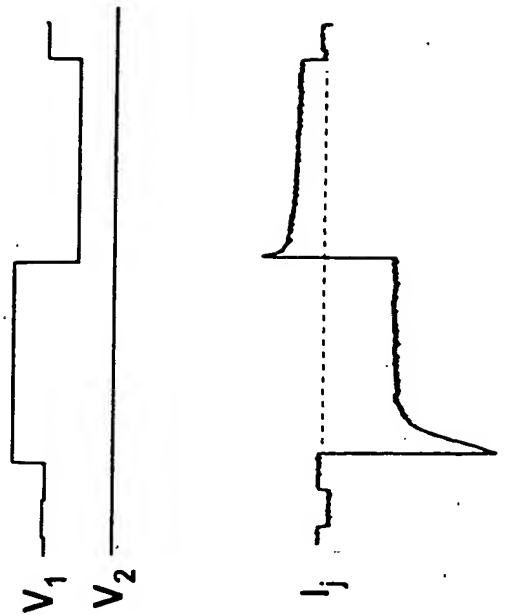


FIGURE 4B

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FIGURE 5A



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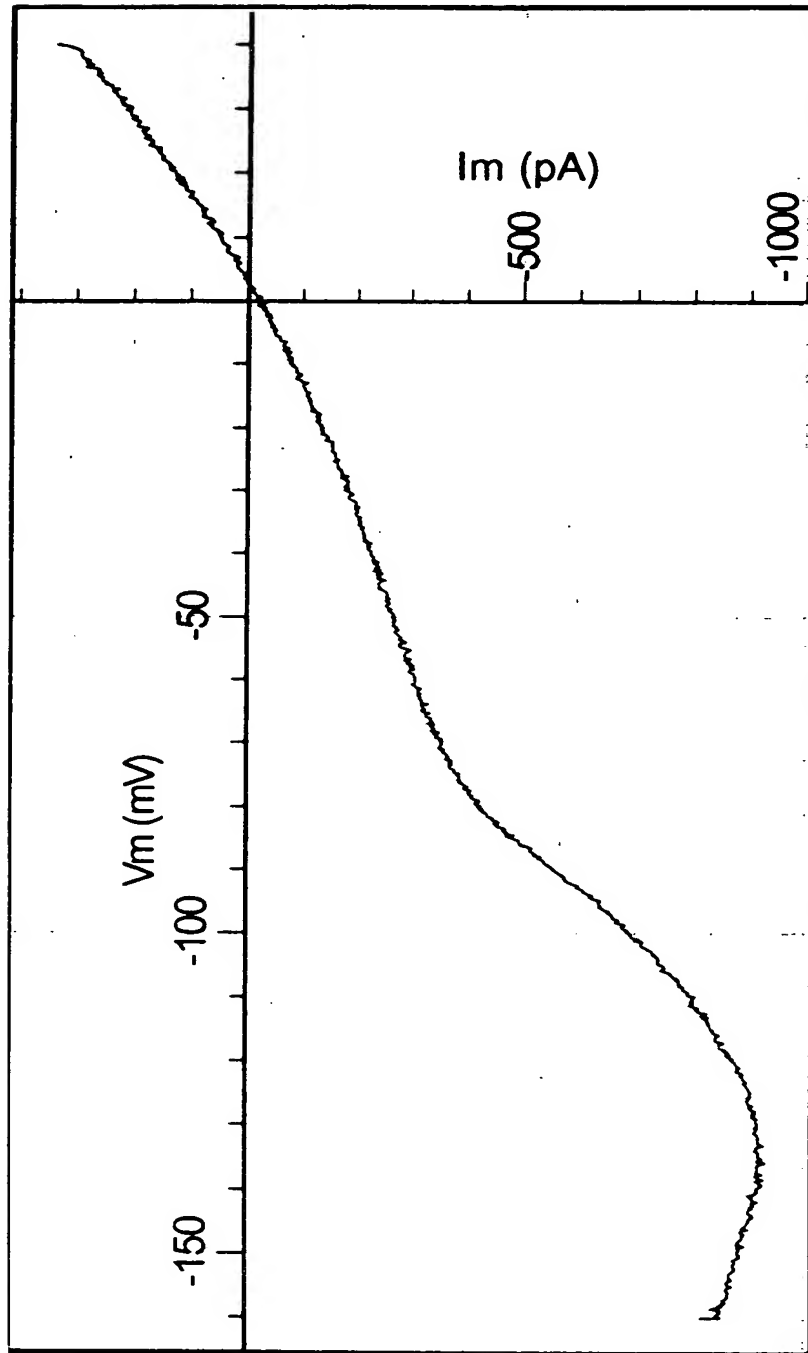
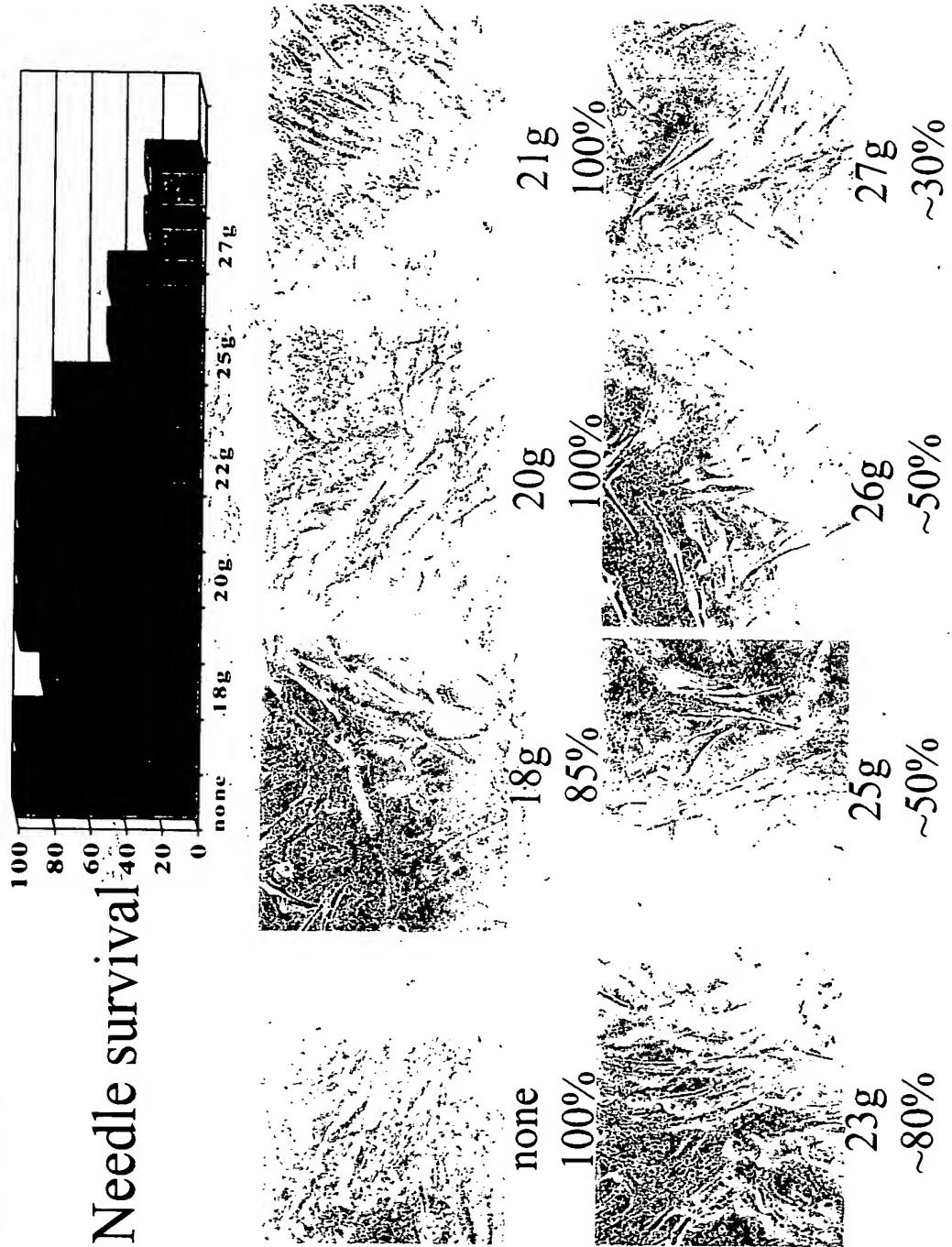


FIGURE 5B

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FIGURE 6



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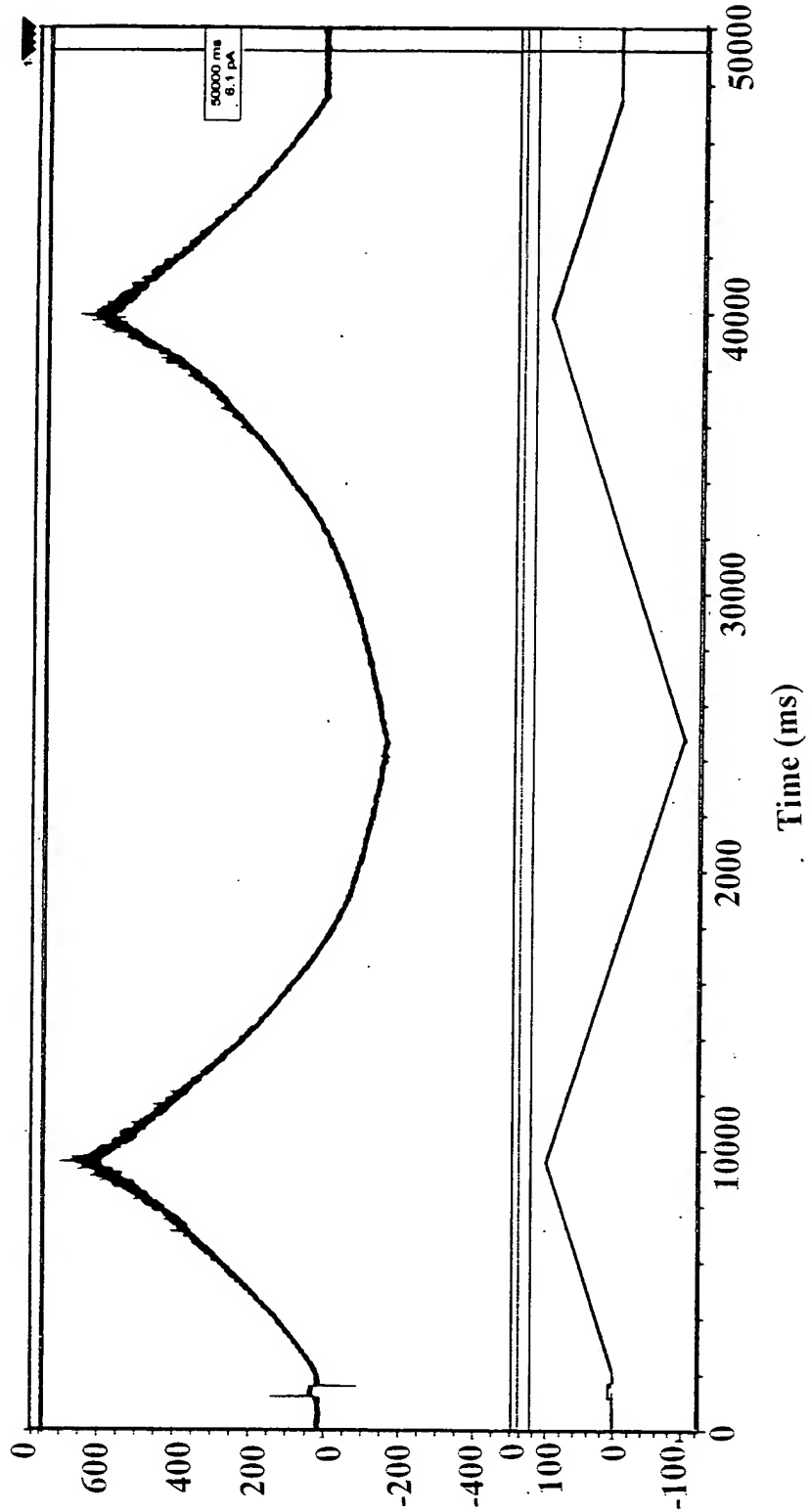
FIGURE 7

HMSC cells transiently transfected with mH2-EGFP



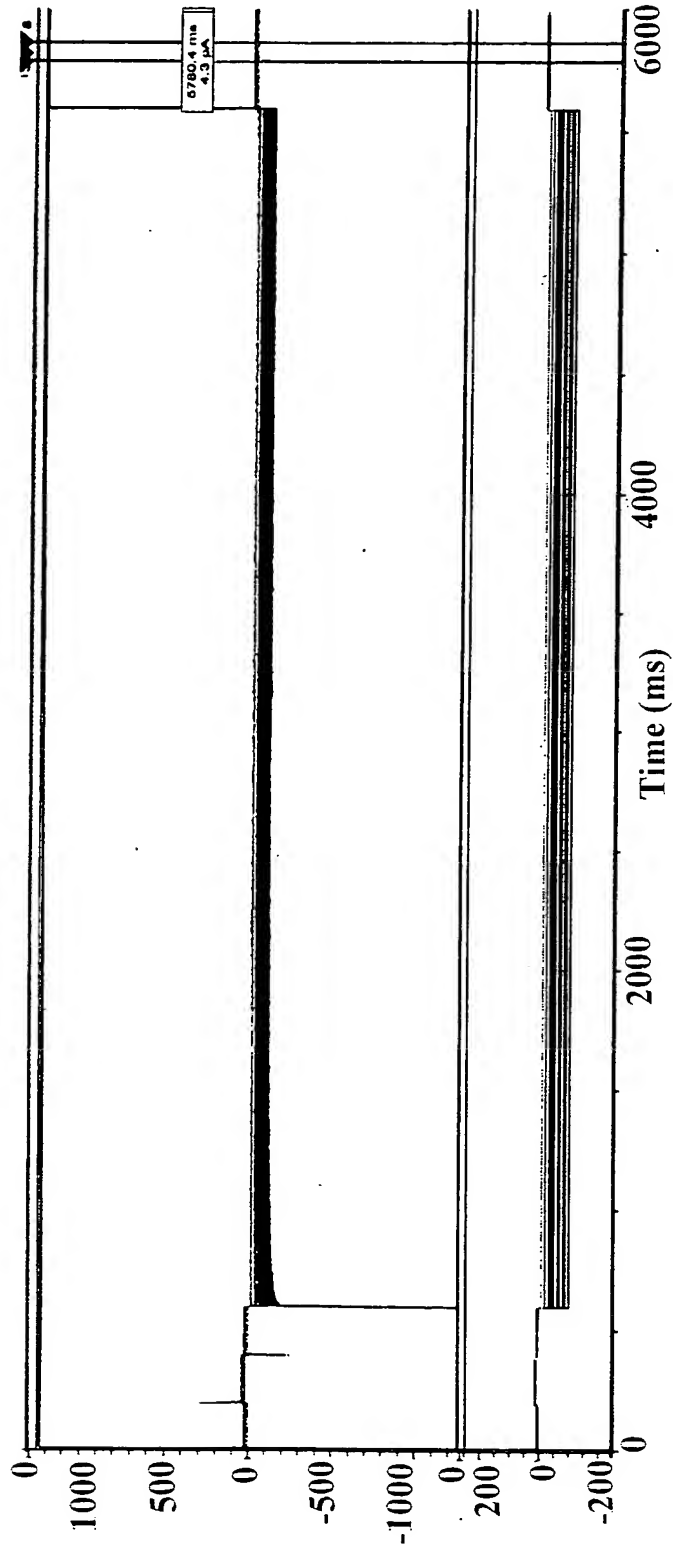
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FIGURE 8A



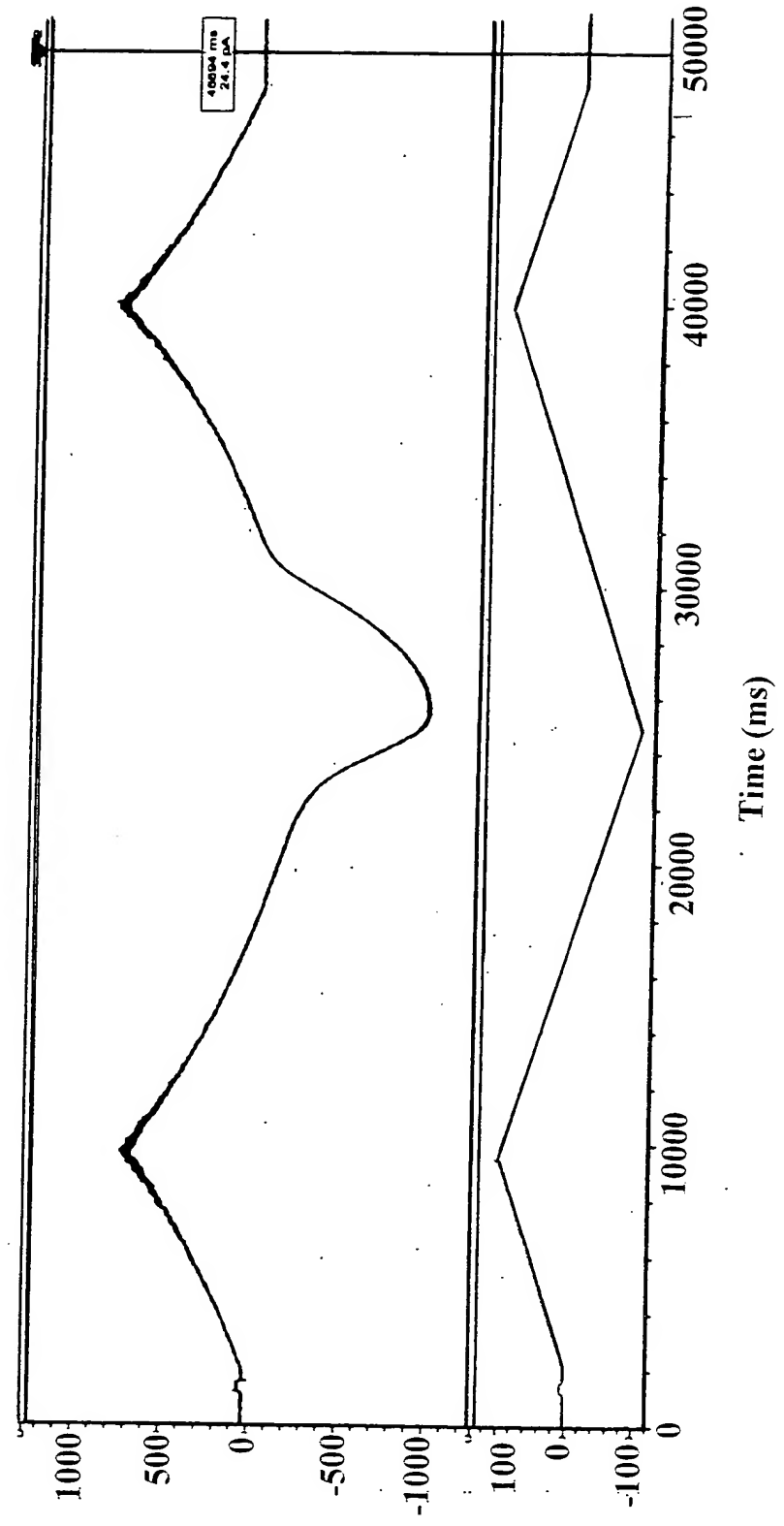
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FIGURE 8B



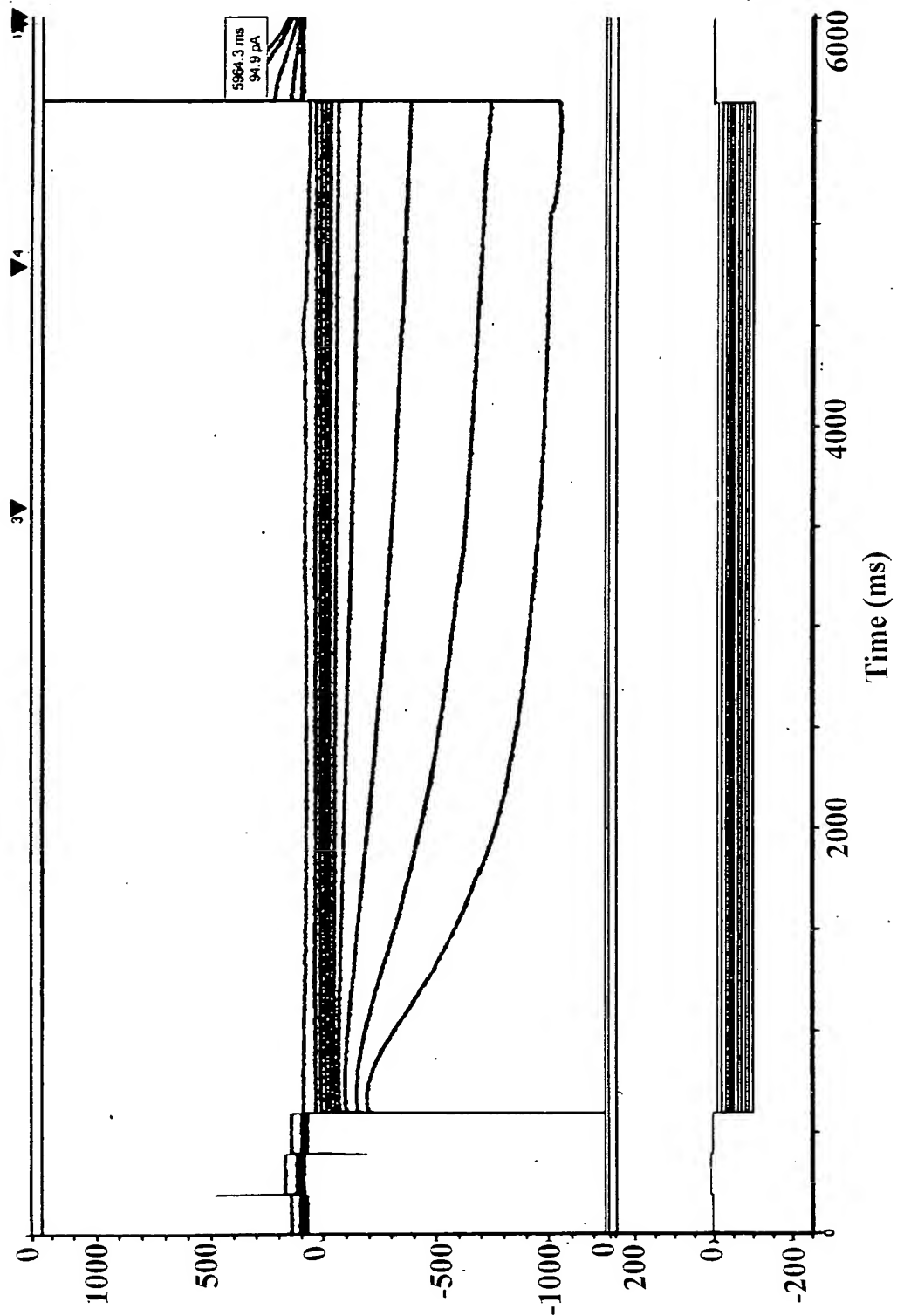
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FIGURE 9A



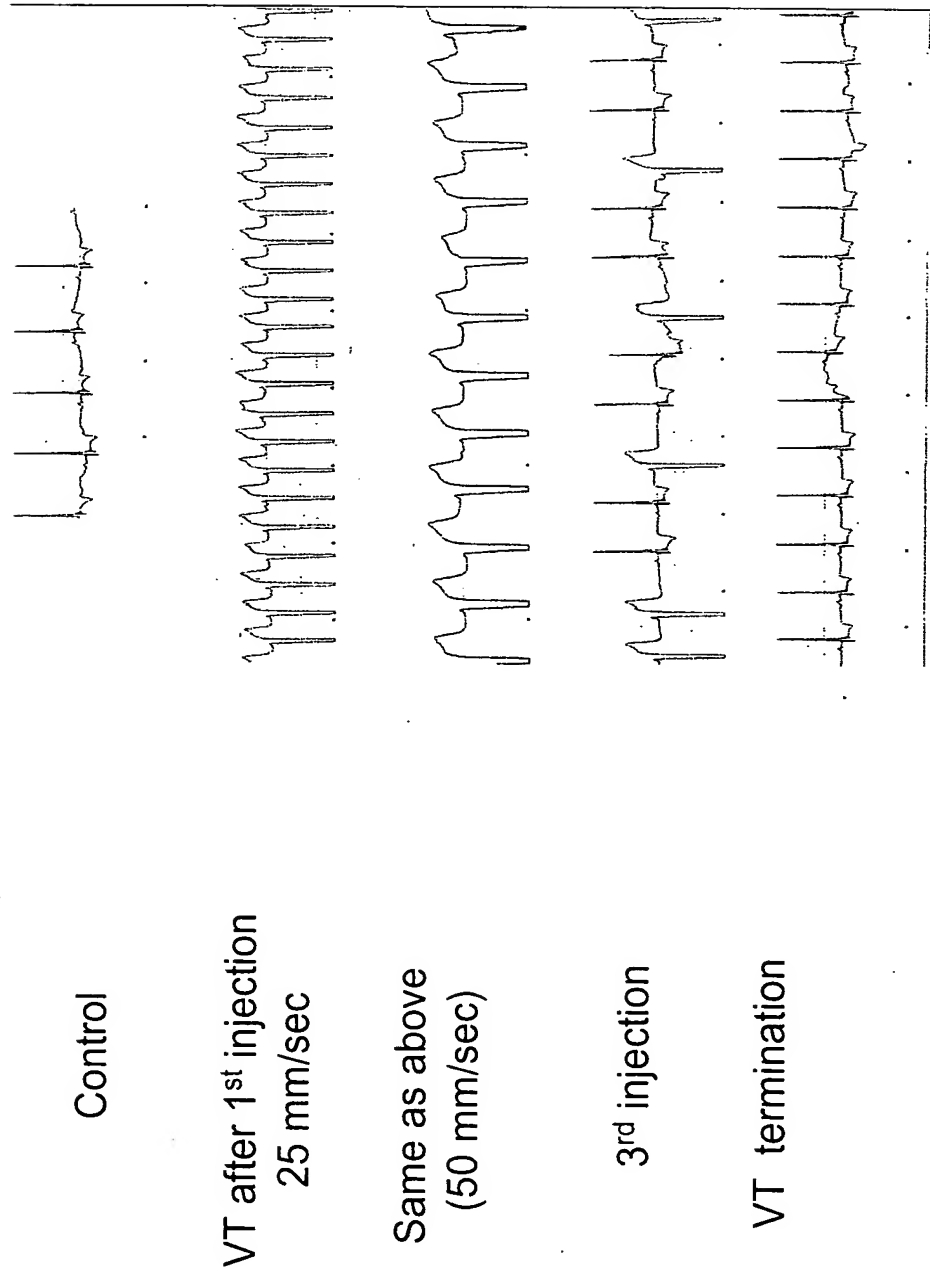
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FIGURE 9B



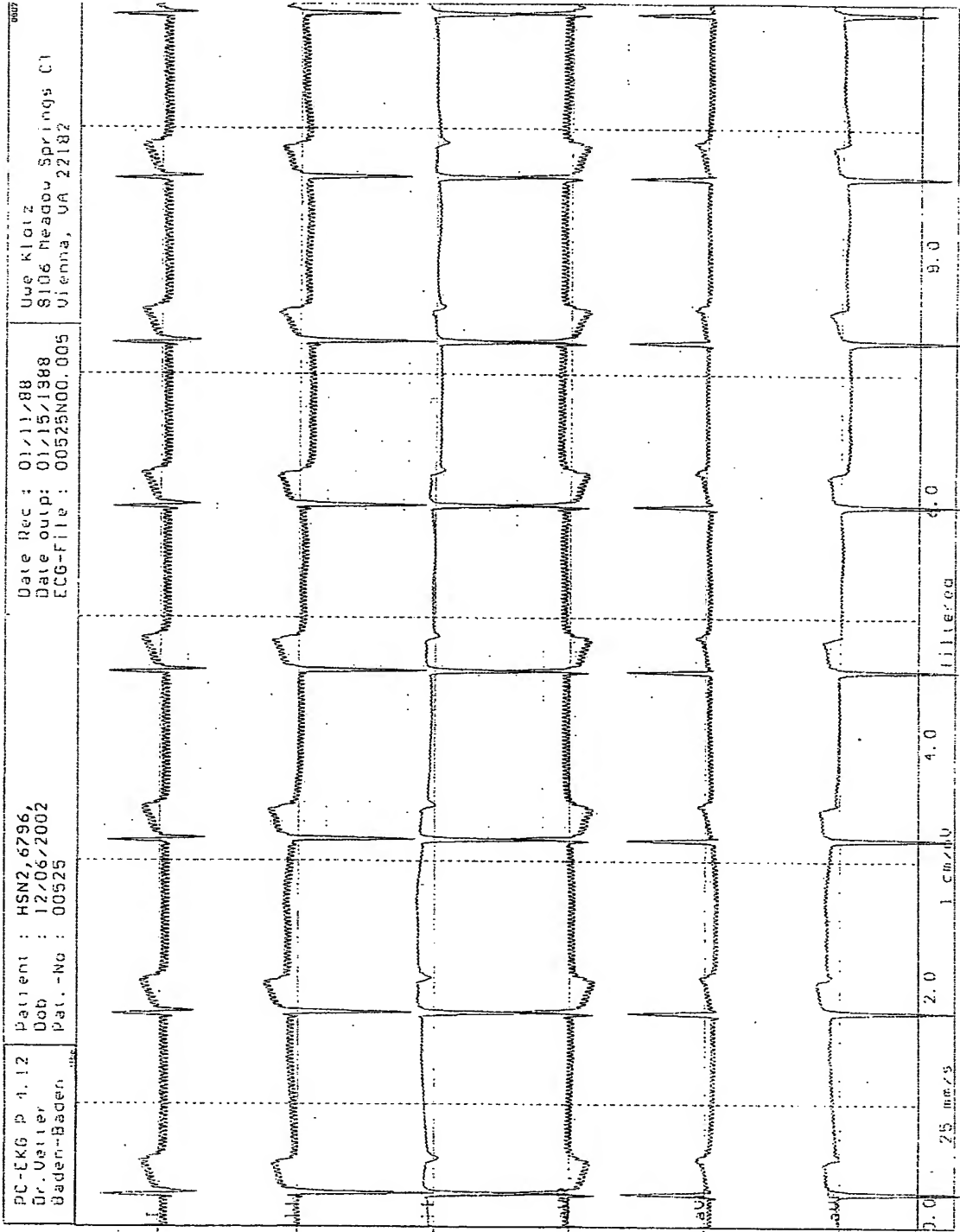
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FIGURE 10A



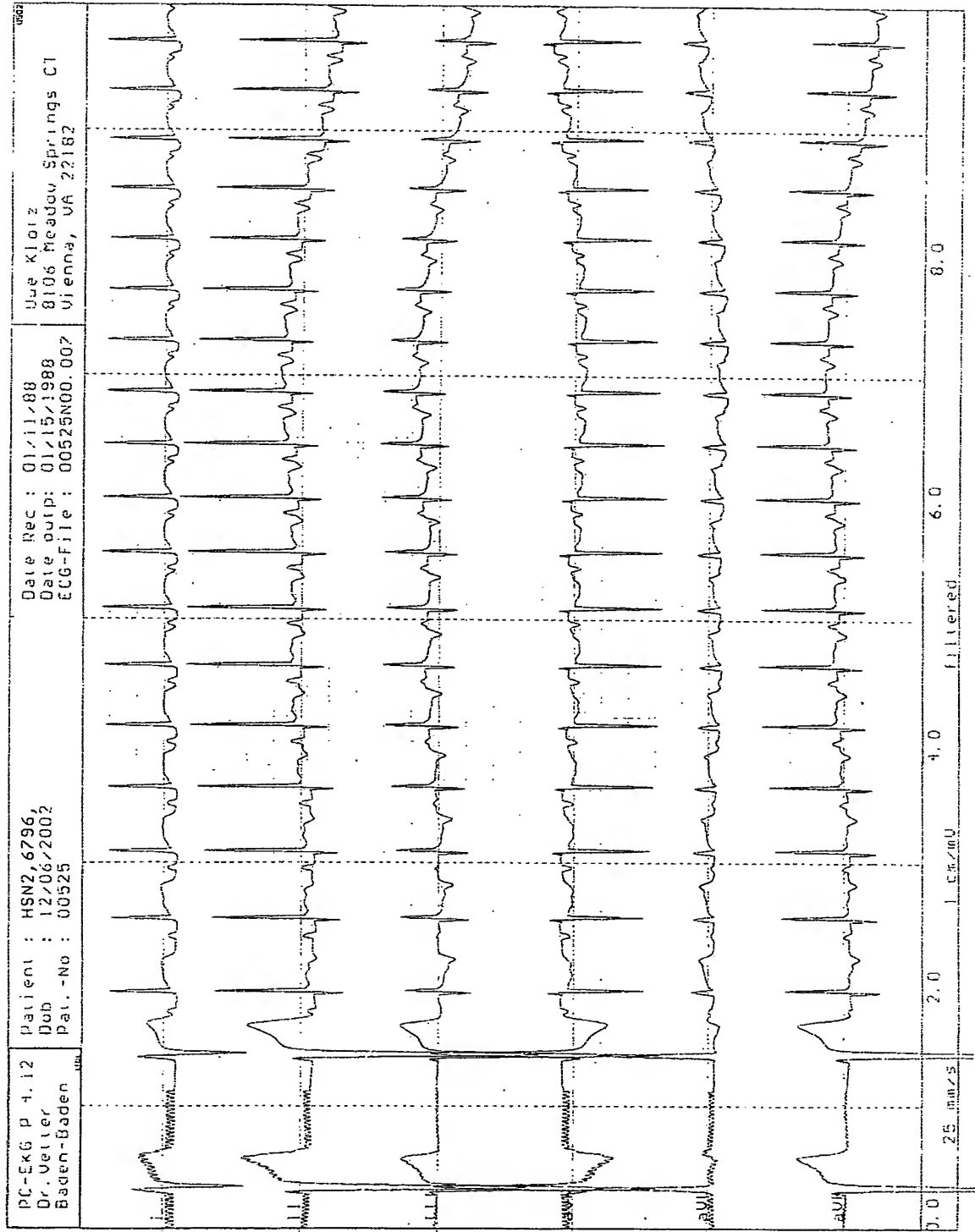
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FIGURE 10C



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FIGURE 10D



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FIGURE 10E

